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October 6, 2021

Marlene H. Dortch
Secretary
Federal Communications Commission
Washington, D.C. 20554

Re: Call Sign S3065 (IBFS File Nos. SAT-PDR-20200413-00034, SAT-APL-20200727-00088 and SAT-APL-20201028-00126)
Notice of Ex Parte Presentation by AST SpaceMobile, Inc.

Dear Ms. Dortch,

On October 4, 2021, the following representatives of AST SpaceMobile, Inc. ("AST") met with the Office of Commissioner Simington: Abel Avellan, CEO, Chris Ivory, Chief Commercial Officer, Vikram Raval, Head of Global Regulatory Affairs, Sallye Clark of this firm, and the undersigned. In attendance from the Office of Commissioner Simington were Commissioner Simington, Erin Boone, Adam Cassady, and Michael Sweeney.

AST provided the attached presentation regarding the status of the development of SpaceMobile, which will provide converged satellite and mobile technology worldwide to connect the unconnected and accelerate the closing of the digital divide with affordable mobile broadband.

Prompt approval of AST's pending application will ensure U.S. leadership in both the mobile and satellite sectors, stimulating continued development of the manufacturing sector, workforce training, and new technologies in the United States.

Please direct any questions to the undersigned.

Sincerely,

/s/ *Laura Stefani*
Laura Stefani
Attorney for AST SpaceMobile, Inc.

Attachment

cc: FCC attendees


AST SpaceMobile
Transforming How The World Connects
October 4, 2021

Offering MNOs “cell towers in the sky”

Midland, Texas 85,000 sq. ft. facility

Assembly of all satellites

Testing and development

- Built 35,000 square foot clean room
- Installation of satellite test equipment and instruments
- Assembling and testing of BlueWalker 3
- Facility expansion to support commercial constellation manufacturing and assembly

Expanding beyond traditional satellite end markets

	Direct via Specialized Mobile Phones	Indirect via Complex, Expensive Hardware	First & Only Direct Broadband To Mobile Phones
			
	Provider-specific satphones (~$1K)	Provider-specific antennas mounted on planes, ships, vehicles, buildings (~$1K-$200K+)	Any standard mobile phone
Providers	Globalstar, inmarsat, iridium	Today: eutelsat, SES, TELESAT, INTELSAT, Viasat, inmarsat, iridium Coming: SPACEX, amazon Project Kuiper, OneWeb	AST SpaceMobile
End Users	Narrowband service on satphones	Enterprise, Maritime, Aviation, Government, Residential	Mass market mobility and the unconnected

Industry-Leading Strategic Partners and Customers

Investors

Became Public Company ASTS on the NASDAQ raised $462m

vodafone

#1 Mobile Network Operator (Outside China)

Rakuten

#1 e-Commerce Platform in Asia (Outside China)

AMERICAN TOWER®

#1 Global Cell Tower Company

SAMSUNG NEXT

#1 Manufacturer of Mobile Phones

Source: Nasdaq, WCIS, Gartner and S&P Global.

Commercial

- Increased subscriber count with MNOs under MoU from approx. 1.3 billion to approx. 1.5 billion
- New MOUs signed with MTN, Smart Communications, Africell, MUNI, UT Mobile, LIBTELCO and others

BlueWalker 3 Test Satellite

BlueWalker 3 is expected to launch aboard a SpaceX mission from Cape Canaveral, Florida, in a window beginning
March 2022

- Demonstration of the SpaceMobile end-to-end operational system design
- Designed to communicate directly with cell phones via 3GPP standard frequencies
- Manufacturing, assembly and testing continue to progress, with timing on-target
- Updated materials filed with OET for FCC experimental license application

Business Momentum

Public market debut in April 2021 Industrialization

BlueBird 1 (“BB1”) production spacecraft, expected to be the largest communications phased array ever deployed into space

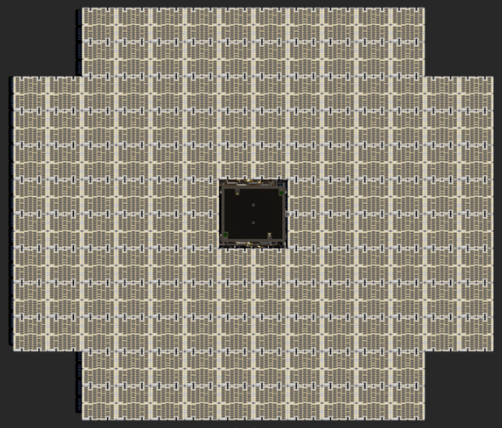
- Continued to make progress in finalizing the design of our next generation production BB1 spacecraft
- Making investments in Midland, Texas facilities and global supplier development
- Midland facilities planning for production capacity of up to 6 spacecraft per month

Organizational

Preparing for scaled spacecraft production

- Enhanced in-house engineering, manufacturing, procurement and corporate activities
- Team of 454 (including employees, contractors and 3rd party engineering services providers) working on AST SpaceMobile
- Opening of UK Office at Space Park Leicester, which will house business development, engineering and regulatory functions

Superior Space-Based Low-Latency Broadband Architecture



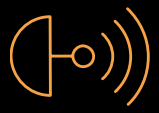
Satellites at 700km altitude offer low-latency and attractive look angles

Large satellites create over 1 million fixed terrestrial cells globally with broadband capacity

Low- and mid-band frequencies shared with wireless partners on non-interference basis

High-throughput Q/V-band feeder links for backhaul

Direct link to unmodified mobile phones and other cellular devices

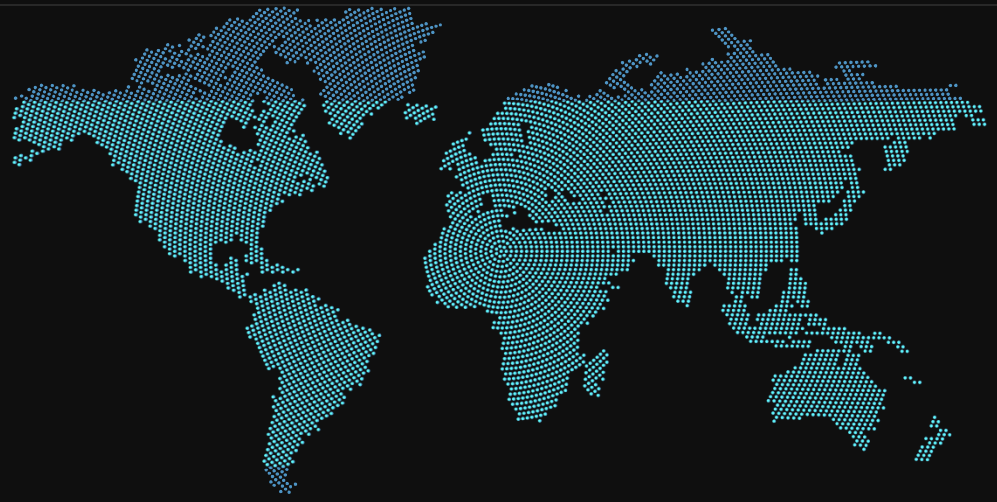


Gateways / Partner Network

Terrestrial Telecom Network

Global Coverage

Phase 1: Service launch 2023. Key global markets added to SpaceMobile network on a rolling basis.



Phase 1
20 satellites - equatorial constellation

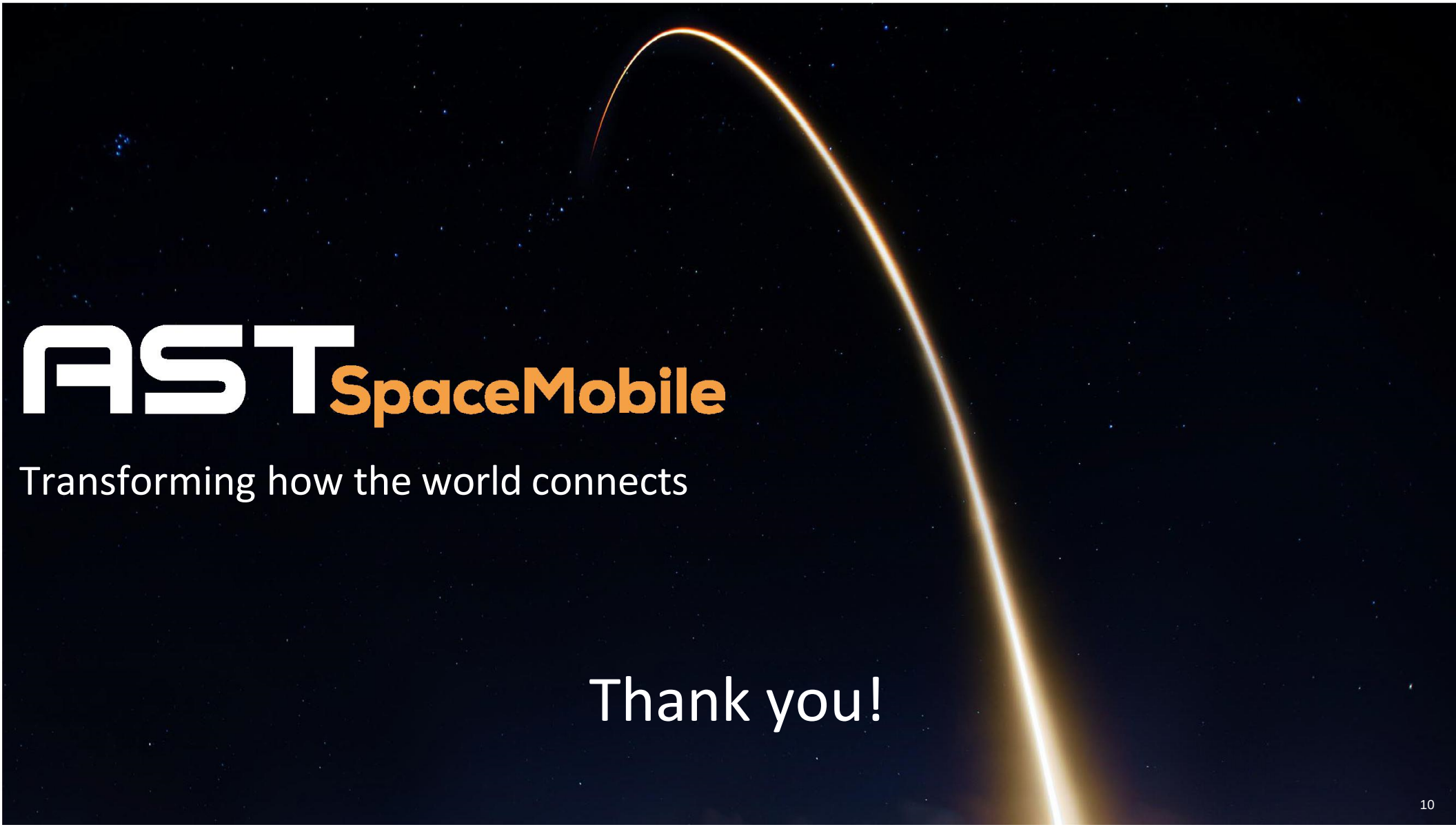
Phase 2
45 satellites - North America, Europe and Asia

Phase 3
45 satellites - full global Coverage

Phase 4
58 satellites - full global MIMO coverage with faster data rates

Regulatory Progress

- Market Access application accepted by the FCC in U.S. and second V band processing round publicized
- AST ITU filings done by PNG/NICTA
- Regulatory approval granted in 6 countries to date, with a total population of more than 360 million
- Test authorizations granted in other markets
- Authorization processes underway many markets
- Experimental license granted by FCC for BlueWalker 1 testing using Band 5 spectrum
- Pending FCC experimental license for BlueWalker 3 testing using Band 5 and Band 14


AST SpaceMobile
Transforming how the world connects
Thank you!